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PPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/672,585	09/26/2003	Gilles Gosselin	18085.105102	8655	
7590 01/25/2005			EXAMINER		
King & Spaldi		OWENS JR, HOWARD V			
191 Peachtree S 45th Floor	treet, N.E.	ART UNIT	PAPER NUMBER		
Atlanta, GA 30303			1623		
		•	DATE MAILED: 01/25/2009	ς.	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Aı	pplication No.		Applicant(s)	
			0/672,585		GOSSELIN ET AL.	
Office Action Summary		E	kaminer		Art Unit	
			oward V Owens		1623	:
The MA Period for Reply	AILING DATE of this commun	ication appear	s on the cover s	heet with the co	orrespondence ad	dress
A SHORTENE THE MAILING - Extensions of tim after SIX (6) MON - If the period for re - If NO period for re - Failure to reply w Any reply receive	ED STATUTORY PERIOD F DATE OF THIS COMMUN e may be available under the provisions NTHS from the mailing date of this comr eply specified above is less than thirty (3 eply is specified above, the maximum st tithin the set or extended period for reply d by the Office later than three months m adjustment. See 37 CFR 1.704(b).	ICATION. of 37 CFR 1.136(a) nunication. o) days, a reply with atutory period will ap	i. In no event, howeve nin the statutory minimi oply and will expire SIX se the application to b	er, may a reply be time um of thirty (30) days ((6) MONTHS from the ecome ABANDONED	will be considered timely the mailing date of this co (35 U.S.C. § 133).	
Status	•			•		
2a) This acti 3) Since th	sive to communication(s) file ion is FINAL . is application is in condition n accordance with the practi	2b)⊠ This act for allowance	tion is non-final. except for form	al matters, pros		e merits is
Disposition of Cl	aims					
4a) Of th 5) ☐ Claim(s) 6) ☐ Claim(s) 7) ☑ Claim(s) 8) ☐ Claim(s)	1-16 is/are pending in the action is/are above claim(s) is/are allowed. 1-3 and 10-16 is/are reject 14-9 and 12-16 is/are object 15 are subject to restrict	re withdrawn fed.				
Application Pape	rs					
10)☐ The draw Applicant Replacer	cification is objected to by the ving(s) filed on is/are t may not request that any objected to or declaration is objected to	a) accepte ction to the drav the correction i	ving(s) be held in is required if the c	abeyance. See drawing(s) is obje	37 CFR 1.85(a). ected to. See 37 CF	` '
Priority under 35	U.S.C. § 119					
a)	edgment is made of a claim) Some * c) None of: ertified copies of the priority ertified copies of the priority opies of the certified copies oplication from the Internatio ttached detailed Office actio	documents ha documents ha of the priority on the documents of the priority of the priority of the documents had been documents.	ave been receive ave been receive documents have CT Rule 17.2(a	ed. ed in Applicatio e been received)).	on No d in this National	Stage
Attachment(s) 1) Notice of Refere	nces Cited (PTC-802)		<i>∧</i> , □ 1-4	erview Summary (l	DTO 412\	
2) Notice of Draftsp	person's Patent Drawing Review (F losure Statement(s) (PTO-1449 or		5) No	per No(s)/Mail Dat)-152)

Art Unit: 1623

Detailed Action

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(f) or (g) prior art under 35 U.S.C. 103(a).

Claim Objections

Claims 4-9 and 12-16 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim can not depend from another multiple dependent claim. See MPEP § 608.01(n). Accordingly, the claims have/has not been further treated on the merits.

Claim 10 appears to contain multiple periods throughout the claim and the term "b" superceding the term fluorocytosine in line 20, should be replaced with the number "5" if applicant intends the compound to be 5-fluorocytosine.

Specification

For clarity, representations of formulae I - V should be submitted wherein the variables and substituents are more easily recognizable. For instance, the subscript numeral "1" of R₁ should be clearly set forth in all formulae and the hydroxyl group of formula IV is currently unsuitable for printing should allowance be forthcoming.

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35 U.S.C. 112

Claims 1-3 and 12 - 16 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1-3 recite preparation of a 2',3' dideoxy compound, however formula I depicts a structure wherein the R_2 and R_3 variables may be H or OH; however, OH can not be present at either the R_2 or R_3 variables in order for the compound to be a dideoxy compound, thus it is unclear what structure applicant intends for formula I.

A broad range or limitation together with a narrow range or limitation that falls within the broad range or limitation (in the same claim) is considered indefinite, since the resulting claim does not clearly set forth the metes and bounds of the patent protection desired. Note the explanation given by the Board of Patent Appeals and Interferences in *Ex parte Wu*, 10 USPQ2d 2031, 2033 (Bd. Pat. App. & Inter. 1989), as to where broad language is followed by "such as" and then narrow language. The Board stated that this can render a claim indefinite by raising a question or doubt as to whether the feature introduced by such language is (a) merely exemplary of the remainder of the claim, and therefore not required, or (b) a required feature of the claims. Note also, for example, the decisions of *Ex parte Steigewald*, 131 USPQ 74 (Bd. App. 1961); *Ex parte Hall*, 83 USPQ 38 (Bd. App. 1948); and *Ex parte Hasche*, 86 USPQ 481 (Bd. App. 1949). In the present instance, claim 2 recites the broad recitation C₁-C₅, and the claim also recites preferably CH₃, which is the narrower statement of the range/limitation.

Claims 12 - 16 provide for the use of the compounds, but, since the claim does not set forth any steps involved in the method/process, it is unclear what method/process applicant is intending to encompass. A claim is indefinite where it merely recites a use without any active, positive steps delimiting how this use is actually practiced.

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Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 12 – 16 are rejected under 35 U.S.C. 101 because the claimed recitation of a use, without setting forth any steps involved in the process, results in an improper definition of a process, i.e., results in a claim which is not a proper process claim under 35 U.S.C. 101. See for example *Ex parte Dunki*, 153 USPQ 678 (Bd.App. 1967) and *Clinical Products, Ltd.* v. *Brenner*, 255 F. Supp. 131, 149 USPQ 475 (D.D.C. 1966).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 10 is rejected under 35 U.S.C. § 102(b) as being anticipated by Johansson et al., EP 0 358 248.

Claim 10 is drawn to a 2', 3'- dideoxy - β -L-pentofuranonucleoside compound. In the species wherein the base is adenine, guanine or hypoxanthine.

lotti anticipates the claim as it teaches a 2', 3'- dideoxy -β–L-pentofuranonucleoside wherein the 2' and 3' positions are hydrogen and the corresponding bases may be either adenine, guanine or hypoxanthine (pp. 3-6).

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Claims 1, 10 and 11 are rejected under 35 U.S.C. § 102(b) as being anticipated by Farina et al. (Farina), EP 0 285 884.

Claim 1 is drawn to preparation of a 2', 3'- dideoxy - β -L-pentofuranonucleoside via base condensation of a protected intermediate furanose.

Claims 10 and 11 are drawn to a 2', 3'- dideoxy - β -L-pentofuranonucleoside compound wherein the 2' and 3' positions are hydrogen and the base is adenine, guanine, hypoxanthine, uracil or fluorocytosine.

Farina anticipates the claims as it teaches a 2', 3'- dideoxy -β–L-pentofuranonucleoside compound wherein the 2' and 3' positions are hydrogen and the base may be either a purine or pyrimidine base, which encompasses adenine, guanine, hypoxanthine, uracil or fluorocytosine (pp. 2-18); wherein the dideoxy compound is formed through base activation of a protected furanose containing a leaving group (see pp. 2-5).

Howard V. Owens Patent Examiner Art Unit 1623

James O. Wilson

Supervisory Patent Examiner

Technology Center 1600

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Howard Owens whose telephone number is (571) 272-0658. The examiner can normally be reached on Mon.-Fri. from 8:30 a.m. to 5 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the Supervisory Patent Examiner signing this action, James O. Wilson can be reached on (571) 272 - 0661.